



GOVERNMENT OF MAKUENI COUNTY



DEPARTMENT OF AGRICULTURE, IRRIGATION, LIVESTOCK FISHERIES AND COOPERATIVE DEVELOPMENT

PROJECTS DELIVERY FY 2022/2023

Wauni wa kwika nesa na ulungalu





GOVERNMENT OF MAKUENI COUNTY



OUR VISION

A food source, healthy and wealthy county for sustainable socio-economic development.

OUR MISSION

To improve the livelihood of the Makueni citizens through sustainable management of crop and livestock resources and prudent management of co-operatives.

CORE VALUES

 Professionalism

 Integrity




 Accountability

 Inclusivity

 Responsiveness

 Teamwork

STRATEGIC OBJECTIVES

-  Increased agricultural production and productivity.
-  Increased agricultural commercialization and profitability.
-  To develop a vibrant and self-sustaining cooperative movement.

DEPARTMENT DIRECTORATES

Towards achieving this, the Department has four directorates

-  Agriculture and Irrigation
-  Livestock and Fisheries Development
-  Veterinary Service
-  Co-operative Development

1. Distribution Of Drought Tolerant Seeds

171, 299

No. of beneficiary farmers
in the 30 wards

513

No. of Metric
Tonnes of assorted seeds
distributed

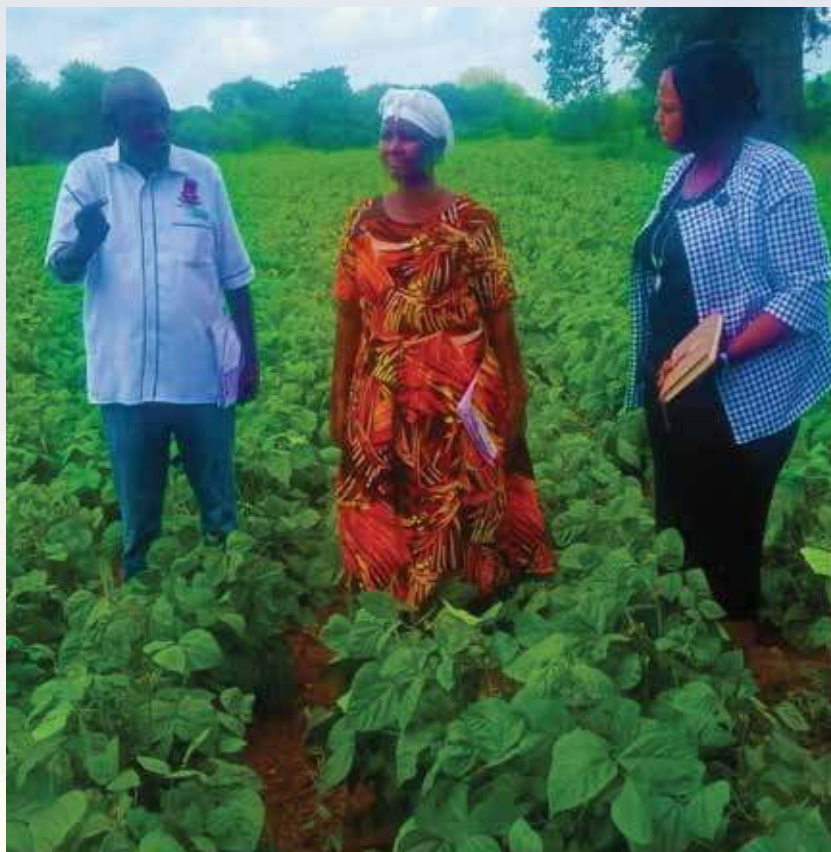
At least 171, 299 farmers in all the 30 wards received 513 MTs of assorted certified seed. Wards in upper and mid-zones received Maize and beans while wards in the low land areas received Sorghum and green grams. Residents were urged to take advantage of the county donated climate-resilient seeds for sustainable agriculture.



2. WAR AGAINST AFRICA ARMY WORM

The African Army Worm (AAW) is the larva of a migratory night flying moth which is a pest of cereal crops and pastures. The first incident of AAW outbreak was reported in Kibwezi East Sub-County in November 2022. By mid-December, the outbreak had spread in all sub counties. Following the outbreak, the Department in partnership with the National government, moved quickly to combat the pest and avert further damage to crops. Assorted chemicals, sprayers and Personal Protective Equipment were issued to farmers.





3. Farmers Produce Ks 20 Green Grams Seeds

Certified green gram seed requirement for Makueni county stand at 903,352 kg against a supply of 361,340.8kg, The low access to certified seeds causes farmers to plant own seed (uncertified) totaling to 542,011.2kg per annum leading to

poor production and hence food insecurity.

To address the gap, the department with support from Agriculture Sector Development Support Programme II (ASDSP II) partnered with Egerton University to provide technical support to Ngamiteka CBO to produce KS20 green gram seed variety. A total of 50 farmers each with 5 acres were engaged in 16 wards and were supported with ripping services, training on seed production, provided with basic seeds, fertilizer, herbicides, insecticides, fungicides, jute bags and inspection services. The farmers produced 21 MT in season one and plans are underway to upscale production.

4. Two Satellite NCPB Stores Established

Recognising the challenge that farmers in the county face to access fertilisers, the Department with regard to market access, the county Partnered with National Cereals and produce Board (NCPB) to establish satellite stores in Mukuyuni and Kikima which are in Kaiti and Mbooni Sub Counties respectively. In addition, the county government entered into MOU with the NCPB to offtake cereals from Makueni County as part of the strategic reserves.





5. Revitalising the Coffee Sector in Makueni County

Coffee production in Makueni County has been on decline. In 2021 the county produced 242 MT of coffee, a decline from 338 MT in 2020, and 482 MT in 2019. Challenges facing the coffee sector include; loans and debts in coffee societies, High cost of farm inputs, lack of certified coffee nurseries in the county, high costs of operations and maintenance of the factories and unskilled coffee processing personnel, poor governance and conflicts in the cooperative societies, Despite the decline in coffee production in the county, world coffee prices are on the increase hence the efforts by the national and county governments to revive the sector.

To increase access to coffee seedling, the ministry of Agriculture in partnership with the county department of Agriculture distributed 10,000 coffee seedlings (Batian variety).

The variety is resistant to coffee leaf rust and coffee berry disease created at the Coffee Research Station (CRS) now the Coffee Research Institute, (CRI) in Ruiru, Kenya. Batian was released in 2010.



A total of 10,000 seedlings distributed

To streamline coffee societies, H.E The Governor Mutula Kilonzo Jnr (CBS) through the County Executive Committee Member responsible for Agriculture, Irrigation, Livestock, Fisheries and Co-operative development appointed a task force to investigate the operations of Kikima farmers Co-operative Society.



The task force appointed by H.E Governor Mutula Kilonzo Jr (CBS) receives farmers complaints.

6. Support To Young Farmers

The department of Agriculture enhanced capacity building and empowerment for youth in agribusiness to address the challenges of inadequate skills in agribusiness, low youth engagement, access to resources, opportunities, markets among others through internship and mentorship programs. This has led to increased youth owned agr-enterprises in the county. The department has engaged a youth coordinator to follow on youth in agriculture for specialized training and extension. To further these efforts, the department will soon launch the Makueni Agricultural Technical and Vocational Education and Training (ATVET), at the Makueni ATC at Kwa Kathoka. The ATVET course will target youth and women in Agriculture through groups.

AGRICULTURE CEC MRS. JOYCE MUTUA VISITS YUNG FARMERS IN AGRI BUSINESS



Dennis Nguma shows his passion fruit farm in Mavindini Ward.



Faith Mumo, Co-Director at Ithiani farm dries fruits and vegetables for export. Produces fingerlings and animal feeds.



Ann Nduda rears over 3,000 layers which produce 1,500 eggs daily

7. Avocado Farming

The total area under avocado production in Makueni County is 340 Ha with a total production of 3,400 MT. Ukia ward lies between two sub-wards namely Ukia and Kilala/Luani sub wards lies between Lower highland 2(LH2), upper midland 3 (UM3) and some pockets of upper midland 4 (UM4) which are suitable for avocado production and hence one of the leading wards in Avocado production. To increase Hass avocado variety, the ward with technical from the department of Agriculture procured 20,000 scions of Hass avocado which was distributed to farmers in the ward. The programme was aimed at improving already established orchards/ seedlings in Ukia ward in Kaiti Sub County.



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20,000
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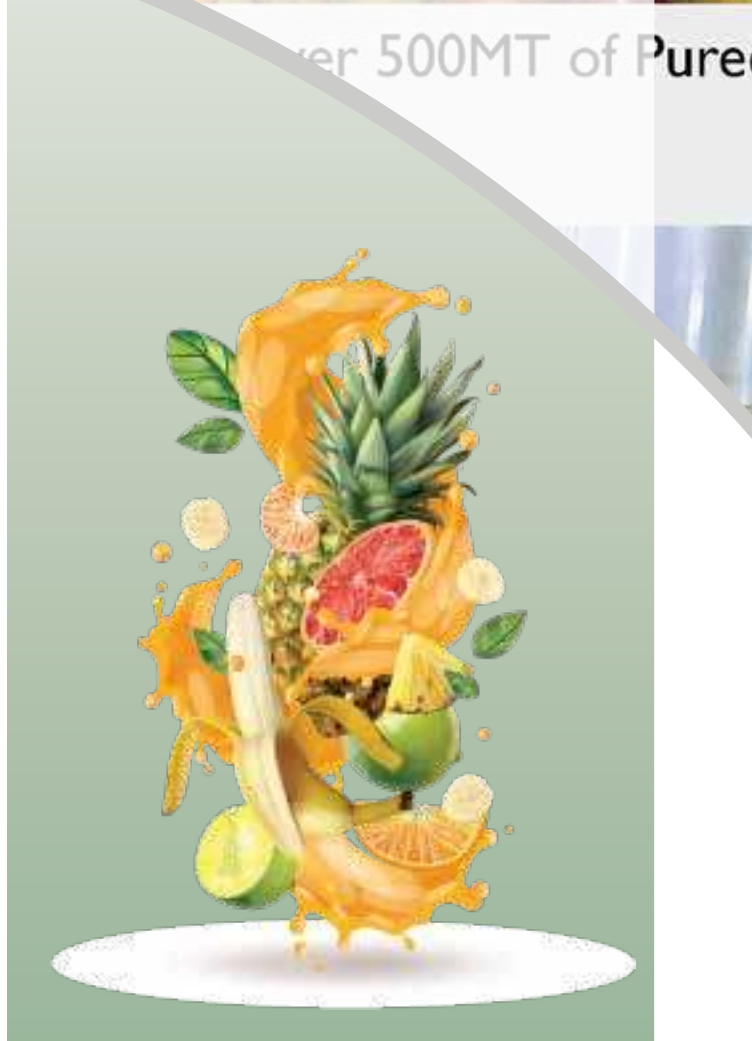
**20,000 SCIONS
DISTRIBUTED TO
AVOCADO FARMERS IN UKIA**





8. Operationalising Makueni Food Processing Plant

Makueni fruit processing plant processed one million kgs of mango in January to March 2023 mango season. This was processed to 500 MT of puree out of which 80% MT has been marketed. The county is also repairing the Ready to Drink line that was installed in 2020 and had not been commissioned due to malfunctioning of various units of the line.



9. First National Mango Conference and Exhibition

The Department held the first national mango conference in may 2023 in which 1250 delegates from 22 counties attended. Following the conference, The County developed a mango value chain strategy and implementation plan which includes establishment of low pest zone and mango pack house to facilitate export.



10. Two Farmer exhibitions Held at ATC Kwa Kathoka

The Department has been partnering with development partners, input and service providers, technology providers, research institutions and universities to hold farmer exhibitions. The objective is to enhance adoption of technology varieties and good practices. Two farmer field days were held reaching over 3000 smallholder farmers during the period.



11. Ongoing Projects To Irrigate 600 Acres

The county government of Makueni and small scale Irrigation and Value Addition (SIVAP) established 11 micro Irrigation schemes of total 385 acres and a further two large irrigation schemes of 225 acres.

The micro irrigation schemes are Katithi, Usai, Winzeni, Kikwasuni, Yandia, Kalamba II, Matikoni B, Kiaoni, Kanini Kaseo, Mbukani and Kikome, While the large-scale irrigation schemes are Utagwa with II weird and Kyeemwea in Mbooni and Kaiti Sub-Counties respectively.

Targeted crops for establishment include, Spinach, Kales, Cabbage, Green maize and fruit trees.





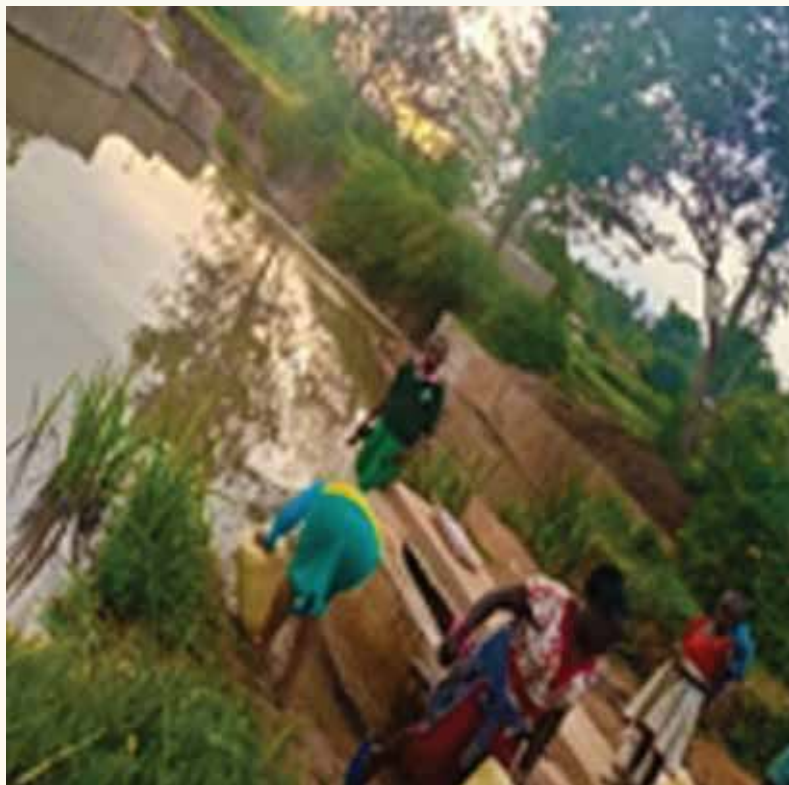
Kinyongo Weir



Muange Weir



Kyaummbwa Weir



Kitie Weir

12. Mechanizing The Fodder Value Chain

The county government acquired a new baler, Tractor and mower to help boost pasture mechanized farm operations.



Handing over machinery to Kitise Farmers Cooperative Society

13. Launch of Mass Vaccination at Kathulumbi Stockyard, Kalawa Ward.



The Department through the directorate of Veterinary services had a mass vaccination program in which a total of 100,000 cattle and 150,000 sheep and goats county wide were vaccinated. The cattle were vaccinated against Food and Mouth disease and Lumpy skin disease (LSD) while the sheep and goats were vaccinated against caprine (Contagious caprice pleuropneumonia).

100,000

No. of cattle that were vaccinated

150,000

No. of sheep that were vaccinated
cross 465 sites across the country.



H.E. Governor Mutua Kilonzo Jnr (CBS) launched a mass vaccination programme.

14. Animal Feed Distribution

Parts of the county had depressed rains in Oct - Dec 2022, especially in Kilome sub county resorting to inadequate human food and animal feed. The Department supported farmers with animal feed supplements and fodder transport. The department urges farmers to follow the advice of agriculture extension officers and plant draught resilient crops such as sorghum, millet, green gram, pigeon peas, and cow peas among others.



15. Fish Harvesting at Kyamakuthi Dam

Residents of Kalawa ward feasted on fish after the county harvested cat fish and Tilapia from Kyamakuthi Dam. Fish weighing in excess of 15kgs were caught at the dam, showing the potential of the fish value chain in the county. To spur the sector, the county has started operationalising the fingerlings production centre at the ATC, kwa Kathoka and serving residents



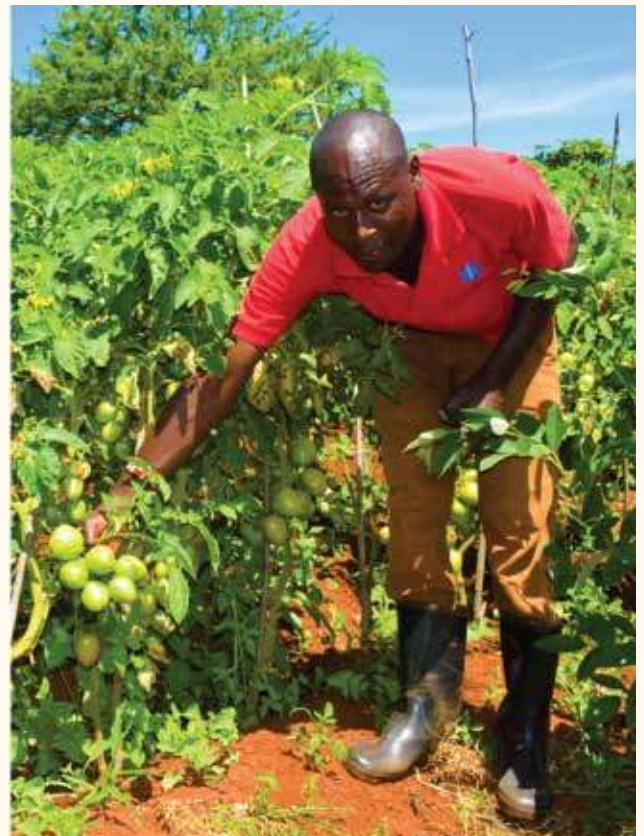
16. NARIGP Promotes Four Value Chains

Over 24,000 farmers in 709 community Interest Groups (CIGS) benefitted by receiving intergrated extensions services from the National Agriculture and Rural Inclusive Growth Project (NARIGP) funded by the world bank. Value chain supported are green grams, mango, Poutry and tomato.

Kilombo Dam, 6 sand dams, 60 farm ponds and farm terracing done in support of these value chains.

24,000
no. of farmers
who have benefitted

709
No. of Community Interest
Groups (CIGS)





Kilombo Dam in Kiima-Kiu /Kalanzone Ward Rehabilitated the dam has a capacity of 315 cubic Metres. Rehabilitation was funded through NARIBP



17. Agriculture Sector Development Support Programme

ASDSP II supports innovative ideas targetting women and youth in the priority value chains. 20 groups were supported with different income generating technologies.



ASDSP II funded innovation: Hybrid thresher fitted with a high speed blower delivered to MAGGAVA cooperative society in December 2022. The machine has a capacity to thresh and winnow mungbeans (green gram grains) at 95-99% clean. This is a women and youth Friendly technology reducing working hours and load on estimate 80%.



Solar bags technology (2000 pieces) delivered to NG'EMULOC, cooperative society in December 2022. Infected debris are placed inside the bags and after pathogens are killed by the heat generated from inside, the rotten pathogen free substance is re-used as organic manure



Baited Fabricated fruit fly technology (3500 baits supplied), The technology cut cost of Mango fruit fly management by 75% while saving on environment. A demonstration at Kwiminia CBO (member's farm) Kisau Kiteta Ward during commissioning use of the cheap technology to control fruit flies while saving on environment- December 2022.



GOVERNMENT OF MAKUENI COUNTY

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